

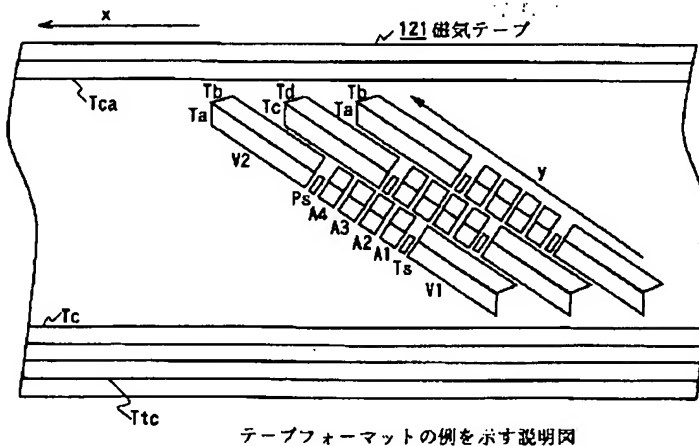
## REMARKS

This amendment is responsive to the Office Action dated April 30, 2008, and received in this application. In the amendment, claims 1, 2, 3, and 5 have been amended and new claims 8-13 have been added such that claims 1-6 and 8-13 remain pending in the application. Support for these amendments can be found throughout the Specification and in particular, on pages 5-11 of the Clean Substitute Specification. *These amendments introduce no new matter.* Reconsideration and allowance of the pending claims in light of this amendment and the following remarks is respectfully requested.

Claims 1-6 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Japanese Pub. No. 09-182014 to Sony ("Sony") in view of U.S. Pat. No. 6,636,266 to Takahashi et al. ("Takahashi"). This rejection is respectfully traversed.

Sony discloses a digital tape recorder with recording and playback means. (Sony, para. [0001].) As shown in Sony Drawing 4, the tape runs in the direction shown by the arrow x and the

**Sony, Drawing 4**



recording head and playback head scan the track in the direction shown by the arrow y. (Sony, para. [0022]; Drawing 4.) A recording track consists of two image areas V1 and V2 of two upper and lower sides and four voice areas A1-A4. A timing signal is recorded between the image area V1 and the voice area A1 and a pilot signal is recorded between the voice area A4 and the image area V2. (Sony, para. [0022]; Drawing 4.)

In other words, the pilot signal is recorded and reproduced after the audio voice areas.

Takahashi, first, provides an image pick-up device enabling to perform adjustment of an optical system suitably with a simple structure, and, second, provides an image pick-up device enabling to perform an optimum focusing adjustment as usual irrespective of the television systems. (Takahashi, col. 1, lines 46-53.) Takahashi further discloses a recording system and describes the structure of a digital recording type VTR. (Takahashi, col. 12, lines 24-28.) Takahashi FIG. 7, is a

**Takahashi, FIG. 7**

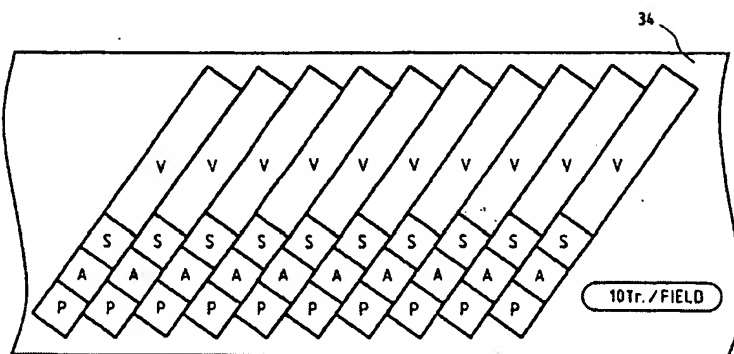


diagram of a track pattern showing a state in which signals A (Audio data), P (Pilot signal), S (Auxiliary data), and V (Video data) are supplied to a magnetic recording system and written on a tape. (Takahashi, FIG. 7, col. 13, lines 38-43; col. 13, lines 11-21.) The pilot signal P is supplied for the tracking servo. (Takahashi, col.

14, lines 22-25.) The difference between the pilot signal and a timing reference signal “corresponding to off-track amount from both lateral tracks” is used to determine an error signal which is “supplied to the servo control circuit so as to control tape feed speed or the like.” (Takahashi, col. 15, lines 35-44.)

Claim 1, as amended, now recites: *[a]n information-recording apparatus for recording digital information in an information-recording medium in accordance with a recording format in which two types of information-recording lengths exist, said digital information including image information having a first information-recording length and audio information having a second information-recording length, said second information-recording length being shorter than said first information recording length, the information-recording apparatus comprising:*

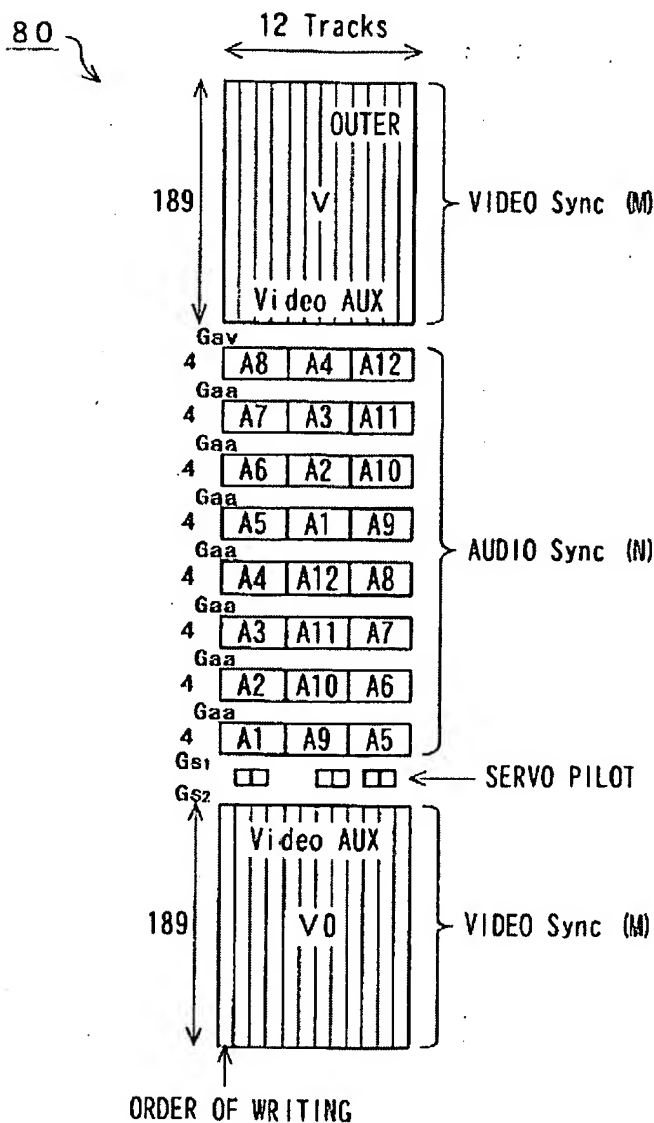
*a recorder for recording the image information and the audio information in said information-recording medium,*

*wherein the recorder records a servo control signal between a recording portion of the image information having the first information-recording length and a recording portion of the audio information having the second information-recording length, said servo control signal*

serving as a reference during reproduction of said image information and said audio information,  
 and

wherein the recorder records the servo control signal after the image information having the first information-recording length and before the audio information having the second information-recording length.

FIG. 7



Whereas the pilot signal of Sony is recorded and reproduced after the audio voice areas, in Applicant's claim 1 the servo control signal recorded between a recording portion of the image information having the first information-recording length and a recording portion of the audio information having the second information-recording length, is recorded after the image information having the first information-recording length and before the audio information having the second information-recording length. (See Clean Substitute Specification, pg. 12, lines 22-23 and Fig. 7 of present application reproduced at left.)

Therefore, claim 1, as amended, is in condition for allowance. Applicant respectfully requests reconsideration and withdrawal of the rejection of the claim 1 under 35 U.S.C. § 103(a) as being unpatentable over Sony in view of Takahashi.

For reasons similar to those provided regarding claim 1, Applicant respectfully requests reconsideration and withdrawal the rejection of independent claims 2, 3, and 5 and dependent claims 4 and 6.

New dependent claim 8 depends from and further limits independent claim 1. Whereas Takashi touches on a pilot signal, there is no disclosure of any kind in Takashi wherein a servo control signal serves as a reference during reproduction of said image information and said audio information, and wherein a gap portion between the recording portion of the image information having the first information-recording length and the recording portion of the audio information having the second information-recording length, and a recording portion of the servo control signal is utilized as a signal-processing space required for carrying out error correction processing during reproduction of said image information and said audio information. Therefore, new claim 8 is in condition for allowance.

For reasons similar to those provided regarding new claim 8, claims 9-13 further limit allowable independent claims 2, 3, and 5. Therefore, new claims 9-13 are in condition for allowance.

In view of the above amendment, applicant believes the pending application is in condition for allowance. If any further issues remain, the Examiner is invited to telephone the undersigned to resolve them.

This response is believed to be a complete response to the Office Action. However, Applicant reserves the right to set forth further arguments supporting the patentability of their claims, including the separate patentability of the dependent claims not explicitly addressed herein, in future papers. Further, for any instances in which the Examiner took Official Notice in the Office Action, Applicant expressly does not acquiesce to the taking of Official Notice, and respectfully request that the Examiner provide an affidavit to support the Official Notice taken in the next Office Action, as required by 37 CFR 1.104(d)(2) and MPEP § 2144.03.

Application No. 10/813,120  
Amendment dated June 17, 2008  
Reply to Office Action of April 30, 2008

Docket No.: SON-2970

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 18-0013, under Order No. SON-2970 from which the undersigned is authorized to draw.

Dated: June 17, 2008

Respectfully submitted,

By  40,290

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